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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/047,505	10/26/2001	Puneet Goel	EFIM0305	3938

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EXAMINER

CARBONELLO, MICHAEL J

ART UNIT PAPER NUMBER

2622

DATE MAILED: 10/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/047,505	Applicant(s) GOEL ET AL.	
	Examiner Michael Carbonello	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-62 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 10-23, 26-30, 32-38, 40-42, 44, 46-48, 51-55 and 57-62 is/are rejected.
- 7) ☒ Claim(s) 9, 24, 25, 31, 39, 43, 49, 50, and 56 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 04/16/2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date: <u>7/8/02, 7/11/03, 12/01/03</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The specifications were received on 10/26/2001. The examiner accepts these specifications.

Drawings

2. The amended drawings were received on 4/16/2002. The examiner accepts these drawings.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-8, 10-23, 26-30, 32-38, 40-42, 46-48, 51-55 and 57-62 are rejected under 35 U.S.C. 102(e) as being anticipated by Warmus et al.
5. Regarding claims 1 and 46, Warmus et al discloses in column 23, lines 6-14, column 24 lines 55-56, figure 6(a) and 6(b), and figure 26a; "A method of imposing groups of printable pages, the pages varying in at least one of dimension and orientation, on printable sheets, comprising: providing a representation of a printable sheet; dividing said printable sheet representation into slots, each slot adapted to receive a printable page assigning a printable page to each slot; and setting at least one

Art Unit: 2622

of alignment, offset and scaling, wherein said settings are applicable to one of a current slot, a row of slots, a column of slots and a sheet of slots.” Using the broadest reasonable interpretation the different pages would be different slots, adapted to receive printable pages, that also is assigned to a slot. Further Warmus et al teaches about offsetting the page component and scaling the page component if necessary. Lastly the ability to use landscape or portrait would allow for varying orientation.

6. Regarding claims 2, 19, 23, 44 and 48, Warmus et al discloses the method and devices discussed above, and disclosed in column 24, lines 6-14, and column 24, lines 55-56; “wherein said scaling settings include any of a scale to fit mode, a custom mode a fit width mode, and a fit height mode.” Using the broadest reasonable interpretation the scaling and offsetting disclosed could be imposition of variable data in templates similar to modes described by the applicant.

7. Regarding claims 3, 20 and 45, Warmus et al discloses the method and devices discussed above, and further discloses in figure 26a and 26b; “further comprising, rotating pages on said sheet in ninety degree increments.”

8. Regarding claims 4, 26, and 51, Warmus et al discloses the method and devices discussed above, and further discloses in column 26, lines 25-32; “further comprising any of: defining sheet size, defining creep adjustment, defining sheet orientation, defining at least one of rows and columns, defining printer's marks, and defining finishing options.”

9. Regarding claims 5, 27 and 52, Warmus et al discloses the method and devices discussed above, and further discloses in column 10, lines 24-27 and column 11, lines

32-33; "wherein defining printer's marks comprises defining trim marks, and defining fold marks." Using the broadest reasonable interpretation the ability for a device to cut and fold a document into shape (magazine or book) would probably contain a method for defining folding and cutting information.

10. Regarding claims 6, 28, and 53; and 7, 29, and 54, Warmus et al discloses the method and devices discussed above, and further discloses in figure 26a and figure 26b and column 11, lines 32-33; "wherein defining trim marks comprises, defining horizontal and vertical length, defining line type, defining line width, and defining line color."

11. Regarding claims 8, 30, and 55, Warmus et al discloses the method and devices discussed above, and further discloses in column 9 lines 27-30 and 40-44, and figure 5; "wherein defining finishing options comprises, defining binding options, and defining options for ganged print jobs." Using the broadest reasonable interpretation the gathering of pages and to be used with books could constitute binding options and ganged print jobs. Further figure 5 discloses various print jobs that could be defined as ganged print jobs

12. Regarding claims 10, 32 and 57, Warmus et al discloses the method and devices discussed above, and further discloses in column 3, lines 13-30; "further comprising, saving imposition attributes to a template."

13. Regarding claims 11, 33, and 58, Warmus et al discloses the method and devices discussed above, and further discloses in column 3, lines 13-30; "specifying imposition attributes by applying a template."

14. Regarding claims 12 and 34, 59, Warmus et al discloses the method and devices discussed above, and further discloses in column 30, lines 2-3; "further comprising, previewing said sheets."

15. Regarding claims 13, 35, and 60, Warmus et al discloses the method and devices discussed above, and further discloses in figure 6a and 6b; "wherein previewing said sheets comprises any of: editing any of said printable pages, and setting gutter size." Using the broadest reasonable interpretation the left hand portion and right hand portion could be constituted as a "gutter."

16. Regarding claim 14, Warmus et al discloses the method and devices discussed above, and further discloses in figure 6a, 6b, 7a, 7b, 8a, and 8b; "A method for formatting printable information, comprising, providing a plurality of data objects, presenting said objects in a common format, selecting at least some of said data objects, ordering said selected data objects into a first sequence so that said ordered objects comprise a printable document, each object comprising a printable page, the printable pages either uniform in dimension and orientation or varying in at least one of dimension and orientation, and imposing groups of said printable pages on printable sheets, such that a page sequence of a final printed document matches said first sequence after post-printing processing of sheets printed from said printable sheets." Using the broadest reasonable interpretation, Figure 6a presents a plurality of data objects and presents them in a common format. All the figures disclose data objects ordered to comprise a printable object. Further the figures show imposing image groups of printable pages on printable sheets.

17. Regarding claims 15 and 40, Warmus et al discloses the method and devices discussed above, and further discloses in column 5, lines 52-55; "wherein said data objects comprise any of pages from digital documents and digital images, and wherein said common format comprises a common page description language." As is known in the art, "PDL" is the abbreviation for Page description language.

18. Regarding claims 16 and 41, Warmus et al discloses the method and devices discussed above, and further discloses in column 8, lines 29-32; "wherein said page description language comprises portable document format (PDF)." As is known in the art, "PDF" is the abbreviation for Portable Document Format.

19. Regarding claims 17 and 42, Warmus et al discloses the method and devices discussed above, and further discloses in figure 6a, figure 6b figure 26a and figure 26b; "wherein imposing groups of said printable pages comprises any of, imposing a group of printable pages on each sheet, and imposing a group of printable pages on each sheet, wherein the printable pages are of uniform dimension and orientation." Using the broadest reasonable interpretation the information [116] and images [110] are examples of a groups of printable pages. Further the left hand portion [100a] and right hand portion [100b] could act as margins to ensure that images are of uniform dimension. Lastly figure 26a and figure 26b show an image that is able to be rotated for "portrait" or "landscape," this would be able to control the orientation of the printable pages.

20. Regarding claim 18, Warmus et al discloses the method and devices discussed above, and further discloses, specifically in claim 1 and claim 14; "wherein imposing a group of printable pages on each sheet comprises, providing a representation of a

printable sheet, dividing said printable sheet representation into slots, each slot adapted to receive a printable page assigning a printable page to each slot by placing a representation of said printable page in said slot, and setting at least one of alignment, offset and scaling, wherein said settings are applicable to one of a current slot, a row of slots, a column of slots and a sheet of slots, wherein said group of printable pages includes one of, pages of uniform dimension and orientation, and pages varying in at least one of dimension and orientation.”

21. Regarding claim 21, Warmus et al discloses the method and devices discussed above, and further discloses, specifically in claim 1 and claim 17; “wherein imposing printable pages of uniform dimension comprises, providing a representation of a printable sheet, dividing said printable sheet representation into slots, each slot adapted to receive a printable page, assigning a printable page to each slot, and automatically setting alignment and offset and applying identical settings to each slot.”

22. Regarding claims 22 and 46, Warmus et al discloses the method and devices discussed above, and further discloses in column 4, lines 26-29; “further comprising, setting scaling, wherein an identical setting is automatically applied to each slot.” Using the broadest reasonable interpretation. The default value would constitute a automatic application of the scaling.

23. Regarding claim 36 and 61 Warmus et al discloses the method and devices discussed above, and further discloses in figure 5, “further comprising printing said sheets.” Using the broadest reasonable interpretation a print system [79] would be used for printing.

24. Regarding claim 37 and 62, Warmus et al discloses the method and devices discussed above, and further discloses in column 8, lines 17-19, column 2, lines 65-67, and further the methods and devices discussed in claims 4 and 8 (binding and folding); "further comprising any of, cutting said printed sheets, folding said printed sheets, collating printed pages cut from said printed sheets, and binding said printed pages."

25. Regarding claim 38, Warmus et al discloses the method and devices discussed above, and further discloses in figure 3 and figure 5; "comprising, at least one server, at least one workstation connected to said server, at least one output device connected to said server, a plurality of data objects, the data objects stored on said server in a common format, and computer-readable code means for, selecting at least some of said data objects, ordering said selected data objects into a first sequence so that said ordered objects comprise a printable document, each object comprising a printable page, the printable pages either uniform in dimension and orientation or varying in at least one of dimension and orientation, and imposing groups of said printable pages on printable sheets, such that a page sequence of a final printed document matches said first sequence after post-printing processing of sheets printed from said printable sheets, wherein the computer-readable code means is resident on said Server." Using the broadest reasonable interpretation, the variable information database could be a server (fig 5). Template Files [106] could be stored on a personal computer, which could connect to the server. Next the system is connected to a Print System [79]. Further using the broadest reasonable interpretation the pages [130, 132, 134, 136, 137, 138]

are combined together in a uniform direction or varying in a least one dimension. Which are then sent to a Print System [79].

26. Regarding claim 43, Warmus et al discloses the method and devices discussed above, and further discloses, specifically in claims 1; "wherein the computer-readable code means for imposing a group of printable pages on each sheet comprises computer-readable code means for, providing a representation of a printable sheet, dividing said printable sheet representation into slots, each slot adapted to receive a printable page, assigning a printable page to each slot; and setting at least one of alignment, offset and scaling, wherein said settings are applicable to one of a current slot, a row of slots, a column of slots and a sheet of slots, wherein said group of printable pages includes one of: pages of uniform dimension and orientation and pages varying in at least one of dimension and orientation."

Allowable Subject Matter

27. Claims 9, 24, 25, 31, 39, 43, 49, 50, and 56 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

28. The following is a statement of reasons for the indication of allowable subject matter.

29. Regarding claims 9, 31 and 56, the prior art primary deals with the contents of the sheets not the sheets themselves. The addition of sheets, duplication of sheets, deleting a sheet, and editing a page is not necessarily a new idea itself but may be when applied to this field of invention.

30. Regarding claims 24 and 49, within the prior art, there is no mention of “defining bleeds” within this application.

31. Regarding claims 25 and 50, within the prior art there is no mention of rotating an image 180 degrees. While image rotating is not a new concept it currently has not been applied in the disclosed prior art.

32. Regarding claims 39, while the GUI itself is not a new idea the application for use with mixed page imposition may not have been obvious.

33. Regarding claim 43, providing a representation of a printable sheet, and assigning sheets, setting offsets, alignment and scaling are not new ideas, however the use of varying dimension and varying orientation has not been disclosed in prior art.

34. The main idea about mixed page imposition is not an entirely new concept, however the ability to edit pages in such a manner as to vary dimension and orientation as part of a print job has not been disclosed in the prior art of mention.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

35. Balban et al discloses, “An apparatus and a method are disclosed for composing an imposition in terms of an arrangement of printing plates on selected of the image positions on selected units of a printing press to print a given edition, by first assigning each section of this edition to one of the press areas.”

36. Dreyer et al discloses, “A press controller for operating an electronic press to produce a plurality of diverse publications from data stored in associated publication

databases establishes a job database having data from the publication databases stored therein and controls the electronic press in accordance with the data in the job database.”

37. Cyman et al discloses, “A system and method are provided which have the ability to print whole documents at a time, rather than page by page. The data for an entire multi-page document is fed directly to an output device, and then a print engine. The data stream includes a record layout including data field codes which tell the data system and/or raster image processor where to print strings of variable information in a document so that the strings only need be provided once even if printed in multiple places within the document.”

38. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Carbonello whose telephone number is (571) 272-0625. The examiner can normally be reached on 8:00am - 4:30pm.

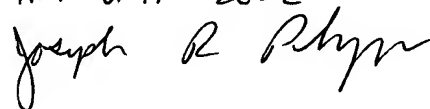
If attempts to reach the examiner by telephone are unsuccessful, the examiner’s supervisor, Edward Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael Carbonello
Examiner
Art Unit 2622

MJC

JOSEPH R. POKRZYWA
PRIMARY EXAMINER
ART UNIT 2622

A handwritten signature in black ink, appearing to read "Joseph R. Pokrzywa", written in a cursive style.